

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

storing on the map server computer coordinate data indicative of the spatial coordinates of at least one point associated with the geographical area represented by the map, so as to enable correlation of points on the map with their corresponding geographical location;

storing on an information server computer information data relating to at least one place of interest within the geographical area, said information data including data representative of the spatial coordinates of the place of interest within the area;

B1 X
CM
transmitting a map request to the map server computer from a client computer, and transmitting from the map server computer to the client computer in response to the map request the map data;

utilising the map data to display an image of the map on a visual display unit associated with the client computer;

transmitting an information request to the information server computer from the client computer, and transmitting from the information server computer to the client computer in response to the information request the information data relating to at least one place of interest within the geographical area; and

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

displaying the information data relating to at least one place of interest on the visual display unit.

31. A method according to claim 30, wherein the map request is transmitted before the information request, the information request being formulated by including coordinate data provided by the ^{first} map server ^{computer}.

32. A method according to claim 30, wherein the information request is transmitted before the map request, the map request being formulated by including coordinate data provided by the ^{second} information server ^{computer}.

33. A method according to claim 30, including superimposing information relating to the place of interest on the image on the visual display unit, at a position on the image corresponding to the location of the place of interest on the map.

34. A method according to claim 33, wherein the information superimposed on the image is a hypertext link.

35. A method according to claim 33, wherein the client computer includes means for scrolling the map image to

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

display an image of a different geographical area, and means for varying the displayed data relating to the at least one place of interest on the visual display unit so as to take account of the change in the displayed geographical area.

¹⁶
~~36~~. A method according to claim ¹⁷~~35~~, wherein the varying of the displayed data includes shifting the position of the superimposed information in response to scrolling of the map image.

¹⁹
~~37~~. A method according to claim ¹⁸~~36~~, wherein the client computer includes means for formulating a further request to the information server to identify places of interest lying within the different geographical area.

⁵
~~38~~. A method according to claim ¹~~30~~, wherein the client computer includes means for zooming the map image in or out to display an image of, respectively, a smaller or larger geographical area, and means for varying the displayed data relating to the at least one place of interest on the visual display unit so as to take account of the smaller or larger geographical area.

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

39. A method according to claim 38, wherein the client computer includes means for formulating a further request to the ^{second} information server, ^{computer} to identify places of interest lying within the smaller or larger geographical area.

40. A method according to claim 30, including:
storing on the ^{first} map server computer a list of categories of places of interest;
retrieving the list with the map data; and
displaying on the visual display unit a respective icon for each said category.

41. A method according to claim 30, wherein the request is effected by activation of a respective icon on the visual display unit.

42. A method according to claim 30, wherein the client computer includes locating means for establishing the current geographical location of the client computer, and the method includes passing the current geographical location of the client computer to at least one of the map server computer and the information server computer.

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

¹⁰
~~43~~. A method according to claim ~~42~~⁹, wherein the locating means uses the Global Positioning System.

¹¹
~~44~~. A method according to claim ~~42~~⁹, wherein the locating means includes a cellular telephone.

¹²
~~45~~. A method according to claim ~~42~~⁹, wherein the client computer includes means for superimposing on the image an icon indicative of the current geographical location.

³¹
~~46~~. A computer system, the computer system comprising:

³¹
~~46~~. A computer system, the computer system comprising:
a map server computer for storing map data representative of a map of a geographical area and coordinate data representative of the spatial coordinates of at least one point lying within the area represented by the map;

³¹
~~46~~. A computer system, the computer system comprising:
a map server computer for storing map data representative of a map of a geographical area and coordinate data representative of the spatial coordinates of at least one point lying within the area represented by the map;
an information server computer for storing information data representative of at least one place of interest within the geographical area, said data including data representative of the spatial coordinates of the place of interest within the area; and

³¹
~~46~~. A computer system, the computer system comprising:
a map server computer for storing map data representative of a map of a geographical area and coordinate data representative of the spatial coordinates of at least one point lying within the area represented by the map;
an information server computer for storing information data representative of at least one place of interest within the geographical area, said data including data representative of the spatial coordinates of the place of interest within the area; and
a client computer, the client computer having a visual display unit;

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

wherein the client computer includes

means for transmitting a map request to the map server computer to request transfer to the client computer of the map data,

means for displaying an image of the map on the visual display unit, and

means for transmitting an information request to the information server computer to identify places of interest known to it and lying within the geographical area,

wherein the information server computer includes means for transmitting to the client computer in response to the information request the data representative of at least one place of interest within the geographical area, and

wherein the client computer includes means for displaying said data associated with the place of interest on the visual display unit.

47. A computer system according to claim 46, wherein the client computer includes means for formulating the information request by including coordinate data provided by the ^{first} map server ^{computer}.

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

48. A computer system according to claim 46, wherein the client computer includes means for formulating the map request by including coordinate data provided by the ^{second} information server. ^{computer}

²³
49. A computer system according to claim ²⁰46, wherein the client computer includes means for superimposing information relating to the place of interest on the image on the visual display unit, at a position on the image corresponding to the location of the place of interest on the map.

50. A computer system according to claim 49, wherein the information superimposed on the image is a hypertext link.

51. A computer system according to claim 49, wherein the client computer includes means for scrolling the map image to display an image of a different geographical area, and means for varying the displayed data relating to the at least one place of interest on the visual display unit so as to take account of the change in the displayed geographical area.

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

Sub E5
v

52. A computer system according to claim 51, wherein the client computer includes means for varying the information from the ^{second} information server computer which is displayed, in response to scrolling of the map image.

53. A computer system according to claim 52, wherein the client computer includes means for formulating a further request to the ^{second} information server computer, to identify places of interest lying within the different geographical area.

B1
Comit

25
17

54. A computer system according to claim ~~46~~ ²⁰, wherein the client computer includes means for zooming the map image in or out to display an image of, respectively, a smaller or larger geographical area, and means for varying the displayed data relating to the at least one place of interest on the visual display unit so as to take account of the smaller or larger geographical area.

Sub E6
v

55. A computer system according to claim 54, wherein the client computer includes means for formulating a further request to the ^{second} information server computer, to identify places of interest lying within the smaller or larger geographical area.

U.S. APPLN. OF PHELAN
APPLN. NO. 09/011,691

56. A computer system according to claim 46, wherein the client computer includes locating means for establishing the current geographical location of the client computer and means for passing the current geographical location of the client computer to at least one of the map server computer and the ^{second} information server computer. ^{first}

B1
Amended.
o
o
11

REMARKS

Careful consideration of this application is respectfully requested.

This Preliminary Amendment broadens the scope of the independent claims and corrects the dependencies of some of the dependent claims.